

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (original - withdrawn): A light emitting panel assembly comprising a light emitting panel member having at least one input edge for receiving light from at least one light source, and a pattern of individual light extracting deformities on or in at least one panel surface of the panel member for producing a desired light output from the panel member, each of the deformities having a length and width substantially smaller than the length and width of the panel surface and also having a well defined shape, at least some of the deformities having at least two surfaces that intersect each other to form a ridge and intersect the panel surface or another deformity.

Claim 2 (original - withdrawn): The assembly of claim 1 wherein at least one of the two surfaces of the deformities is curved and intersects the panel surface.

Claim 3 (original - withdrawn): The assembly of claim 2 wherein the other of the two surfaces of the deformities is planar.

Claim 4 (original - withdrawn): The assembly of claim 1 wherein at least the two surfaces of the deformities are curved.

Claim 5 (original - withdrawn): The assembly of claim 1 wherein at least the two surfaces of the deformities intersect the panel surface.

Claim 6 (original - withdrawn): The assembly of claim 5 wherein at least one of the two surfaces of the deformities also intersects another deformity.

Claim 7 (original - withdrawn): The assembly of claim 1 wherein the areas of at least the two surfaces of the deformities have a different size and shape.

Claim 8 (original - withdrawn): The assembly of claim 1 wherein the areas of at least the two surfaces of the deformities are of the same size and shape.

Claim 9 (original - withdrawn): The assembly of claim 1 wherein the at least one light source is optically coupled to only a portion of the width of the input edge, and one of the surfaces of at least some of the deformities at different locations across the width of the panel surface is a sloping surface that is angled at different angles depending on the location of the deformities across the width of the panel surface to face the portion of the input edge to which the light source is optically coupled.

Claim 10 (currently amended): The assembly of claim 9 51 wherein at least some of the deformities are arranged in a radial pattern across the width and length of the panel surface with the ~~sloping~~ light extracting surface of the deformities in radial alignment with the portion of the input edge to which the light source is optically coupled.

Claim 11 (original - withdrawn): The assembly of claim 9 wherein the deformities are arranged in a random pattern on or in the panel surface.

Claim 12 (original - withdrawn): The assembly of claim 9 wherein the light source is a light emitting diode.

Claim 13 (original - withdrawn): The assembly of claim 9 wherein the sloping surface of at least some of the deformities is curved.

Claim 14 (original - withdrawn): The assembly of claim 9 wherein the sloping surface of at least some of the deformities is planar.

Claim 15 (original - withdrawn): The assembly of claim 9 wherein a plurality of light sources are optically coupled to different portions of the width of the input edge, and the sloping surface of different ones of the deformities at different locations across the width of the panel surface are angled at different angles to face different portions of the input edge to which the different light sources are optically coupled.

Claim 16 (currently amended): The assembly of claim ~~15~~ 55 wherein at least some of the deformities are arranged in a radial pattern across the width and length of the panel surface with the ~~sloping~~ light extracting surface of the deformities in radial alignment with different portions of the input edge to which the different light sources are optically coupled.

Claim 17 (original - withdrawn): The assembly of claim 15 wherein the deformities are arranged in a random pattern on or in the panel surface.

Claim 18 (original - withdrawn): The assembly of claim 15 wherein the light sources are light emitting diodes.

Claim 19 (original - withdrawn): The assembly of claim 15 wherein the sloping surface of at least some of the deformities is curved.

Claim 20 (original - withdrawn): The assembly of claim 15 wherein the sloping surface of at least some of the deformities is planar.

Claim 21 (original - withdrawn): The assembly of claim 1 wherein at least some of the deformities only have the two surfaces.

Claim 22 (original - withdrawn): The assembly of claim 21 wherein one of the surfaces is curved and the other surface is planar.

Claim 23 (original - withdrawn): The assembly of claim 21 wherein both of the surfaces are curved.

Claim 24 (original - withdrawn): The assembly of claim 1 wherein the surfaces of at least some of the deformities comprise at least one side wall and at least one end wall that is rounded, curved or conically shaped.

Claim 25 (original - withdrawn): The assembly of claim 24 wherein at least some of the deformities only have one side wall, the side wall being curved.

Claim 26 (original - withdrawn): The assembly of claim 1 wherein at least some of the deformities have two rounded, curved or conically shaped end walls connected by two side walls.

Claim 27 (original - withdrawn): The assembly of claim 26 wherein the two side walls are planar.

Claim 28 (original - withdrawn): The assembly of claim 26 wherein at least one of the side walls is curved.

Claim 29 (original - withdrawn): The assembly of claim 26 wherein the end walls are at opposite ends of the side walls and blend together with the side walls.

Claim 30 (original - withdrawn): The assembly of claim 29 wherein at least some of the deformities have a planar surface that intersects the side walls and the end walls in parallel spaced relation to the panel surface.

Claim 31 (original - withdrawn): The panel assembly of claim 1 wherein the deformities are arranged in clusters across the width and length of the panel surface, at least some of the deformities and each of the clusters having a different size or shape characteristic than other deformities in each of the clusters that collectively produce an average size or shape characteristic of all of the deformities in each of the clusters that varies across the width of the panel surface.

Claim 32 (original - withdrawn): The assembly of claim 31 wherein at least some of the deformities in each of the clusters have a different depth or height than other deformities in each of the clusters that collectively produce an average depth or height characteristic of all of the deformities in each of the clusters that varies across the width of the panel surface.

Claim 33 (original - withdrawn): The assembly of claim 31 wherein at least some of the deformities in each of the clusters have at least one sloping surface that has a different slope than the sloping surface of other deformities in each of the clusters that collectively produce an average slope of the sloping surfaces of all of the deformities in each of the clusters that varies across the width of the panel surface.

Claim 34 (original - withdrawn): The assembly of claim 31 wherein at least some of the deformities in each of the clusters have at least one sloping surface that has a different angle orientation than the sloping surface of other deformities in each of the clusters

that collectively produce an average angular orientation of the sloping surfaces of all of the deformities in each of the clusters that varies across the width of the panel surface.

Claim 35 (original - withdrawn): The panel assembly of claim 31 wherein at least some of the deformities in each of the clusters have a different width than other deformities in each of the clusters across the width of the panel surface that collectively produce an average width characteristic of all of the deformities in each of the clusters that varies across the width of the panel surface.

Claim 36 (original - withdrawn): The assembly of claim 1 wherein the deformities vary in width, depth or height across the width of the panel surface.

Claim 37 (original - withdrawn): The assembly of claim 36 wherein at least one light source is optically coupled to only a portion of the width of the input edge, and the width, depth or height of the deformities increases as the distance of the deformities from the portion of the input edge to which the light source is optically coupled increases across the width of the panel surface.

Claim 38 (original - withdrawn): The assembly of claim 37 wherein the light source is a light emitting diode.

Claim 39 (original - withdrawn): The assembly of claim 1 wherein the deformities vary in density across the width of the panel surface.

Claim 40 (original - withdrawn): The assembly of claim 39 wherein at least one light source is optically coupled to only a portion of the width of the input edge, and the density of the deformities increases as the distance of the deformities from the portion of the input edge to which the light source is optically coupled increases across the width of the panel surface.

Claim 41 (original - withdrawn): The assembly of claim 40 wherein the light source is a light emitting diode.

Claim 42 (original - withdrawn): The assembly of claim 1 wherein the panel member is constructed of a flexible material.

Claim 43 (original - withdrawn): The assembly of claim 1 wherein the panel member is a film.

Claim 44 (original - withdrawn): The assembly of claim 1 wherein the deformities are on or in one side of the panel member, and additional light extracting deformities are on or in another side of the panel member opposite the one side.

Claim 45 (original - withdrawn): The assembly of claim 44 wherein the additional deformities are at least one of prismatic, lenticular and V-groove.

Claim 46 (original - withdrawn): The assembly of claim 1 wherein at least one light source is optically coupled to only a portion of the width of the input edge, and the deformities vary with the distance of the deformities from the portion of the input edge to which the light source is optically coupled across the width of the panel surface in at least one of the following characteristics: size, shape, placement, index of refraction, density, angle, depth, height, and type.

Claim 47 (original - withdrawn): The assembly of claim 46 wherein the light source is a light emitting diode.

Claim 48 (original - withdrawn): The assembly of claim 1 wherein at least one light source is optically coupled to at least a portion of the width of the input edge, and the deformities vary with the distance of the deformities from the center of the light source across the panel surface in at least one of the following characteristics: size, shape, placement, index of refraction, density, angle, depth, height, and type.

Claim 49 (original - withdrawn): The assembly of claim 1 wherein one light source is optically coupled to the input edge, and the deformities vary with the distance of the deformities from the light source to account for differences in the output of the light source across the panel surface in at least one of the following characteristics: size, shape, placement, index of refraction, density, angle, depth, height, and type.

Claim 50 (original - withdrawn): The assembly of claim 1 wherein a plurality of light sources are optically coupled to the input edge, and the deformities vary with the distance of the deformities from light sources to account for differences in the output of the light sources or the spacing between the light sources across the panel surface in at least one of the following characteristics: size, shape, placement, index of refraction, density, angle, depth, height, and type.

Claim 51 (currently amended): A light emitting panel assembly comprising a light emitting panel member having at least one input edge, at least one light source optically coupled to ~~at least~~ a portion of the width of the input edge, and a pattern of individual light extracting deformities on or in at least one panel surface of the panel member for producing a desired light output from the panel member, each of the deformities having a length and width substantially smaller than the length and width of the panel surface and also having a well defined shape, at least some of the deformities at different locations on the panel surface having at least one ~~sloping~~ light extracting surface that is angled at different ~~angles~~ orientations relative to the input edge depending on the location of the deformities on the panel surface to face the portion of the input edge to which the light source is optically coupled.

Claim 52 (original): The assembly of claim 51 wherein the light source is a light emitting diode.

Claim 53 (currently amended): The assembly of claim 51 wherein the ~~sloping~~ light extracting surface of at least some of the deformities is curved.

Claim 54 (currently amended): The assembly of claim 51 wherein the ~~sloping~~ light extracting surface of at least some of the deformities is planar.

Claim 55 (currently amended): The assembly of claim 51 wherein a plurality of light sources are optically coupled to different portions of the width of the input edge, and at least one ~~sloping~~ light extracting surface of different ones of at least some of the deformities at different locations across the width of the panel surface ~~are oriented~~ is angled at different ~~angles~~ orientations relative to the input edge to face different portions of the input edge to which the different light sources are optically coupled.

Claim 56 (original): The assembly of claim 55 wherein the light sources are light emitting diodes.

Claim 57 (original - withdrawn): A light emitting panel assembly comprising a light emitting panel member having at least one input edge for receiving light from at least one light source, and a pattern of individual light extracting deformities on or in at least one panel surface of the panel member for producing a desired light output from the panel member, each of the deformities having a length and width substantially smaller than the length and width of the panel surface and also having a well defined shape, at

least some of the deformities having at least one side wall and at least one end wall that is rounded, curved or conically shaped.

Claim 58 (original - withdrawn): The assembly of claim 57 wherein at least some of the deformities have two rounded, curved or conically shaped end walls connected by two side walls.

Claim 59 (original - withdrawn): The assembly of claim 58 wherein the two side walls are planar.

Claim 60 (original - withdrawn): The assembly of claim 58 wherein at least one of the side walls is curved.

Claim 61 (original - withdrawn): The assembly of claim 57 wherein at least some of the deformities have only one side wall, the side wall being curved.

Claim 62 (original - withdrawn): The assembly of claim 57 wherein at least some of the deformities have at least two side walls and at least two rounded end walls at opposite ends of the side walls that blend together with the side walls.

Claim 63 (original - withdrawn): The assembly of claim 62 wherein at least some of the deformities have a planar surface that intersects the side walls and the end walls in parallel spaced relation to the panel surface.

Claim 64 (original - withdrawn): A light emitting panel assembly comprising a light emitting panel member having at least one input edge for receiving light from at least one light source, and a pattern of individual light extracting deformities on or in at least one panel surface of the panel member for producing a desired light output from the panel member, each of the deformities having a length and width substantially smaller than the length and width of the panel surface and also having a well defined shape, the deformities being arranged in clusters across the width and length of the panel surface, at least some of the deformities in each of the clusters having a different size or shape characteristic than other deformities in each of the clusters that collectively produce an average size or shape characteristic of all of the deformities in each of the clusters that varies across the width of the panel surface.

Claim 65 (original - withdrawn): The assembly of claim 64 wherein at least some of the deformities in each of the clusters have a different depth or height than other deformities in each of the clusters that collectively produce an average depth or height characteristic of all of the deformities in each of the clusters that varies across the width of the panel surface.

Claim 66 (original - withdrawn): The assembly of claim 64 wherein at least some of the deformities in each of the clusters have at least one sloping surface that has a different slope than the sloping surface of other deformities in each of the clusters that collectively produce an average slope of the sloping surfaces of all of the deformities in each of the clusters that varies across the width of the panel surface.

Claim 67 (original - withdrawn): The assembly of claim 64 wherein at least some of the deformities in each of the clusters have at least one sloping surface that has a different angle orientation than the sloping surface of other deformities in each of the clusters that collectively produce an average angle orientation of the sloping surfaces of all of the deformities in each of the clusters that varies across the width of the panel surface.

Claim 68 (original - withdrawn): The assembly of claim 64 wherein at least some of the deformities in each of the clusters have a different width than other deformities in each of the clusters across the width of the panel surface that collectively produce an average width characteristic of all of the deformities in each of the clusters that varies across the width of the panel surface.

Claim 69 (original - withdrawn): The assembly of claim 64 wherein the size of the deformities in each of the clusters is random.

Claim 70 (original - withdrawn): The assembly of claim 64 wherein at least some of the deformities in each of the clusters has two or more different shapes.

Claim 71 (original - withdrawn): The assembly of claim 64 wherein each of the clusters has a random or variable pattern of different size deformities.

Claim 72 (original - withdrawn): The assembly of claim 64 wherein at least one light source is optically coupled to only a portion of the width of the input edge, and the

deformities in each of the clusters vary with the distance of each of the clusters from the portion of the input edge to which the light source is optically coupled across the width of the panel surface in at least one of the following characteristics: size, shape, placement, index of refraction, density, angle, depth, height and type.

Claim 73 (original - withdrawn): The assembly of claim 72 wherein the light source is a light emitting diode.

In response to the election of species requirement, applicants hereby elect the species of Figures 39 and 40, on which claims 10, 16 and 51-56 read.